

ROZENHTAUKH, L.S., kand. med. nauk.; LEZHNEVA, A.T.; KUTUKOVA, Ye.A. (Moskva, ul. Pushkinskaya, d. 20/5, kv. 1.)

X-ray diagnosis of pericardial cysts. Nov. khir. arkh. 5:80-85 S-0 '58.
S-0 '58. (MIRA 12:1)

1. Kafedra rentgenologii II (zav.- prof. Yu.N. Sokolov) Tsentral'nogo instituta usovershenstvovaniya vrachey, 1-ya khirurgicheskaya klinika (zav. - dots. N.I. Makhov) i rentgenologicheskiy otdel (zav.- dots. V.I. Petrov) Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta.

(PERICARDIUM--RADIOGRAPHY) (CYSTS)

MAKHOV, N.I., dots., KUTUKOVA, Ye.A., mladshiy nauchnyy sotrudnik.

Acute intestinal obstruction; based on cases from the Moscow
Province Research Clinical Institute (1953-1957). Khirurgiya
34 no.7:10-14 J1 '58 (MIRA 11:9)

1. Iz I Khirurgicheskoy kliniki (zav. - dots. N.I. Makhov)
Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo
instituta (dir. - kand.med.nauk P.M. Leonenko).
(INTESTINES OBSTRUCTION, case reports
surg. & results (Rus))

KUTUKOVA, Ye.A.

Tumors of the anterior mediastinum. Vop. klin. pat. no.2:
52-60 '61 (MIRA 16:12)

1. Iz 1-y khirurgicheskoy kliniki (zav. - dotsent N.I.Makhov)
Moskovskogo oblastnogo nauchno-issledovatel'skogo kliniches-
kogo instituta imeni Vladimirovskogo.

CA

KUTUKOVA Ye. I.

8

Titanoferite of the Lovozero tundra. Ye. I. Kutukova. *Trudy Inst. Geol. Nauk. Akad. Nauk SSSR*, No. 41, Moscow, 1968, No. 6, 218 in English, 28 in Russian. Titanoferite was discovered in 1966 in the central region of the Lovozero alkali mass. It is brittle, transparent and brownish red in color. Cleavage is good and fracture uneven. H about 6 and sp. gr. 3.5-4. It is insol. in HNO_3 and H_2O , and dissolves partly when heated in HCl . The empirical formula is $(Na, Ca)(Mn, Fe)Ti_2ZrSi_2O_{10}F_{10}$. It is represented by some morphic grains up to 0.5 mm. and is often observed as inclusions in the surrounding rocks. B. Z. Kamich.

KUTUKOVA YE. I.

CA

Bavenite from the emerald mines. Ye. I. Kutukova
 (Comm. Acad. Sci. USSR, 54, 721, 1960, in
 English). Phys. and optical properties and chem.
 analyses are given of bavenite from the Malyshy emerald
 mines (Izmerulnye Kopy). The analyses show 6.60%
 BeO, as compared with 2.67% BeO reported in the Carb
 (bavenite mineral).

ASB SLA METALLURGICAL LITERATURE CLASSIFICATION

KUTUKOVA, Ye.I.

Bertrandite from the Central Urals. Trudy Inst. min., geokhim. i
kristalloghim. red. elem. no. 3:74-78 '59. (MIRA 14:5)
(Ural Mountains -Bertrandite)

KUTUKOVA, Ya.I.

Margarite containing beryllium from the Central Urals. Trudy Inst.
min., geokhim. i kristallokhim. red. elem. no. 3:79-84 '59.

(MIRA 14:5)

(Ural Mountains—Beryllium) (Ural Mountains—Margarite)

VLASOV, Kuz'ma Alekseyevich; KUTUKOVA, Yevgeniya Ivanovna; SERDYUCHENKO,
D.P., prof., doktor geologo-mineral.nauk, otv.red.; GODOVIKOVA,
L.A., red.isd-va; POLYAKOVA, T.V., tekhn.red.

[Emerald deposits] Izumrudnye kopi. Moskva, Izd-vo Akad.nauk
SSSR, 1960. 249 p. (MIRA 13:5)
(Emeralds)

KUTUKOVA, Ye.I.

Interrelationship of intersecting and nonintersecting
pegmatites and pneumatolytic-hydrothermal veins. Trudy
IMGRE no.16:126-136 '63. (MIRA 16:8)

HILINSKI, Romuald, KUTULAS, Krystyna; PRZECIECHOWSKA, Irena

A study of the nutritional value of beans. Ann. Univ. Lublin
sect. D 19:125-123 ' 64.

1. Katedra i Zakład Nauk o Środkach Spożywczych i Higieny
Żywności, Wydział Farmaceutyczny AM w Lublinie (Kierownik:
prof. dr. Alfred Trawinski).

TSUKEMAN, S.V.; KUTULYA, L.A.; LAVRUSHIN, V.F.

Spectra and halochronism of dibenzylidenecycloalkanones and
their thiophene and furan analogs. Zhur. ob. khim. 34 no.113
3597-3605 N '64 (MIRA 18:1)

1. Khar'kovskiy gosudarstvennyy universitet imeni Gorkogo.

TSUKERMAN, S.V.; KUTULYA, L.A.; NIKITCHENKO, V.M.; LAVRUSHIN, V.F.

Basicity and structure of α, β -unsaturated heterocyclic ketones.
Part 1: Basicity of the thiophene analogs of chalcone. Zhur.ob.
khim. 33 no.10:3180-3186 0 '63.

Basicity and structure of α, β -unsaturated heterocyclic ketones..
Part 2: Thiophene analogs of 1,5-diphenylpentadienones. 3186-
3191 . (MIR. 16:11)

1. Khar'kovskiy gosudarstvennyy universitet imeni A.M.Gor'kogo.

TSUKFERMAN, S.V.; KUTULYA, L.A.; SUROV, Yu.N.; LAVPUSHIN, V.F.; YUR'YEV,
Yu.K.

Basicity of furan, thiophene, and selenophene analogs of chalcone.
Dokl. AN SSSR 164 no.2:354-356 S '65. (MIRA 18:9)

1. Khar'kovskiy gosudarstvennyy universitet im. A.M. Gor'kogo i
Moskovskiy gosudarstvennyy universitet. Submitted March 1, 1965.

~~KUTUMOV~~, Mikhail Il'ich, agronom; MYAGKOV, M.M., redaktor; RAKOV, S.I.,
tekhnicheskii redaktor.

[How we disseminate the practices of leading workers] Kak my
rasprostraniam opyt peredovikov. [Moskva] Izd-vo VTsSPS Profizdat,
1956. 68 p. (MLRA 10:6)

1. Predsedatel' komissii po proizvodstvenno-massovoy rabote rabochkoma
sovkhoza imeni Maksima Gor'kogo, Moskovskoy oblasti (for Kutumov)
(Agriculture)

KUTUMOV, N. F.

748
Lubricant for dies. V. F. Bicharnikov, V. F. Vokov,
L. V. Linn, V. D. Utkin, N. E. Kuznetsov, M. S. Evlann,
and L. D. Pavlovskaya. U.S.S.R. 104,430. Feb. 1967.
A mixt. of 25-30% Al stearate and 70-60% aviation oil is
used to lubricate molding dies for org. glass substitutes.
It prevents marring of the molded articles, reduces internal
strains, and permits replacement of diecasts with fixtures
for covering the dies.

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A. R. KRYA, U. S. S. R.

Dissertation: "Physicochemical Analysis of Systems Consisting of Lead Fluoride and Fluorides of Alkali Metals." Cand Chem Sci, Inst of Chemistry, Acad Sci Uzbek SSR, Tashkent, 1954.
Referativnyi Zhurnal--Khimiya, Moscow, No 14, Jul 54.

SO: SUM No. 356, 25 Jan 1955

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927920016-5

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927920016-5"

[illegible]

BELOVA, O.I.; NOLLE, Ya.Kh., professor, zaveduyushchiy farmakologicheskoy laboratoriyey; KUTUMOVA, Ye.N., direktor, zaveduyushchaya Tsentral'nyy nauchno-issledovatel'skim aptechnym institutom.

Liquid extract of Magnolia grandiflora as a new drug. Apt.delo 2 no.2:65-66 Mr-Ap '53. (MLRA 6:5)

1. Farmakologicheskaya laboratoriya Tsentral'nogo nauchno-issledovatel'skogo aptechnogo instituta Ministerstva zdavookhrameniya RSFSR.
(Magnolia) (Hypertension) (Drugs)

SEMENYCHEVA, A.A.; GORYAINOVA, N.S., kandidat khimicheskikh nauk, zaveduyushchiy;
KUTUMOVA, Ye.N., direktor.

Quantitative determination of atropine sulfate in eye drops. Apt.delo no.4:
18-21 JI-Ag '53. (MLRA 6:8)

1. Laboratoriya farmatsevticheskogo analiza Tsentral'nogo nauchno-issledovatel'skogo aptechnogo instituta Ministerstva zdravookhraneniya RSFSR (for Semenycheva and Goryainova). 2. Tsentral'nyy nauchno-issledovatel'skiy aptechnyy institut Ministerstva zdravookhraneniya RSFSR (for Kutumova).
(Sulfates) (Atropine)

KUTUMOVA, Ye. N.; LEVITSKAYA, V. V.

Natural stain made of onion skin for use with histological preparations. Apt.delo 4 no.1:25-27 Ja-F '55 (MLRA 8:4)

1. Iz Tsentral'nogo nauchno-issledovatel'skogo aptechnogo instituta Ministerstva zdravookhraneniya SSSR.

(VEGETABLES,

onion skin as source of stain)

(STAINS AND STAINING, preparation of,
from onion skin)

KUTUMOVA, Ye.N*

Studying the structural and mechanical properties of pastelike productions used in medical practice. Report No. 1. Determining the effective degree of viscosity. Apt.delo 5 no.6:11-15 N-D '56.

(MLHA 10:1)

1. Iz laboratorii fizicheskoy khimii (rukovoditel' - prof. N.A. Figurovskiy) Tsentral'nogo nauchno-issledovatel'skogo aptechnogo instituta Ministerstva zdravookhraneniya SSSR.

(OINTMENTS)

KUTUMOVA, Ye.N.

Studying the structural and mechanical properties of ointments used
in medical practice. Report no.2. Apt.delo 6 no.2:10-14 Mr-Ap '57.
(MLRA 10:6)

1. Iz laboratorii fizicheskoy khimii (rukovoditel' - prof. N.A.
Figurovskiy) Tsentral'nogo nauchn-issledovatel'skogo aptechnogo
instituta Ministerstva zdavookhraneniya SSSR.
(OINTMENTS)

MARGOLIN, Samuil Yevseyevich, OSADCHENKO, P.I.; VLEKSHN, M.G.; KUTUMOVA,
Ye.N., red.; POLYAKOV, N.G., red.

[Manual for clerks in drugstores and other pharmacy enterprises]
Spravochnik dlia rabotnikov ruchnoi prodazhi v aptekakh i
drugikh aptechnykh uchrezhdeniiakh; pod red. N.N.Kutumovoi i
N.G.Poliakova. Moskva, Medgis, 1958. 227 p. (MIRA 12:6)
(DRUGS)

KUTUMOVA, Ye.N., otv.red.; SHILOV, Yu.M., kand.farmats.nauk, zamestitel'
otv.red.; GORYAINOVA, N.S., kand.khim.nauk, red.; POLYAKOV, N.G.,
doktor med.nauk, red.; SEDOVA, K.D., kand.farmats.nauk, red.;
POLIN, A.N., red.; BOGACHEVA, Z.I., tekhn.red.

[Some problems in materia medica; collection of works of the
Central Pharmaceutical Research Institute of the Ministry of Public
Health of the U.S.S.R.] Nekotorye voprosy lekarstvovedeniia; sbornik
rabot TSentral'nogo aptechnogo nauchno-issledovatel'skogo instituta
M-va zdavookhraneniia SSSR. Moskva, Gos.izd-vo med.lit-ry, 1959.
142 p. (MIRA 13:4)

1. Iz laboratorii farmakologii TSentral'nogo aptechnogo nauchno-issle-
dovatel'skogo instituta Ministerstva zdavookhraneniya SSSR (for Po-
lyakov).

(MATERIA MEDICA)

KUTUMOVA, Ye.N., kand.farmatsevticheskikh nauk; SHILOV, Yu.M.

Activity of the Central Pharmaceutical Research Institute in
1957 and 1958. Apt.delo 8 no.2:8-13 Mr-Apr '59.

(MIRA 12:5)

1. Direktor TSentral'nogo aptechnogo nauchno-issledovatel'-
skogo instituta (for Kutumova). 2. Zamestitel' direktora
TSentral'nogo aptechnogo nauchno-issledovatel'skogo instituta
po nauchnoy chasti (for Shilov).

(PHARMACEUTICAL RESEARCH)

KUTUMOVA, Ye.N.

At the All-Union Pharmaceutical Society. Apt. delo 9 no. 5:75-78
8-0 '60. (MIRA 13:10)

1. General'nyy sekretar' Vsesoyuznogo nauchnogo farmatsevticheskogo
obshchestva.

(PHARMACEUTICAL SOCIETIES)

BLAGOVIDOVA, Yu.A., dots., otv. red.; MEL'NICHENKO, A.K., zam.
otv. red.; GANTSEMAN, A.F., prof., red.; KUTUMOVA, Ye.N.,
red.; SEDOVA, K.D., kand. farm. nauk, red.; SENOV, P.L.,
prof., red.; SIDOROV, A.M., red.; STETSUYUK, A.M., red.;
SHILOV, Yu.M., kand. farm. nauk, red.; KHALETSKIY, A.M.,
prof., red.

[Materials of the Second All-Union Conference of Pharma-
cists] Materialy Vtoroi Vsesoyuznoi konferentsii farma-
tsevtov. Moskva, Medgiz, 1961. 394 p. (MIRA 17:7)

1. Vsesoyuznaya konferentsiya farmatsevtov, 2d, Leningrad, 1959.
2. ~~Kafedra tekhnologii lekarny~~ I Moskovskogo meditsinskogo in-
stitutu im. I.M.Sechenova (for Blagovidova). 3. Direktor
Tsentral'nogo aptechnogo nauchno-issledovatel'skogo insti-
tuta (for Kutumova). 4. Zaveduyushchiy kafedroy farmatsevti-
cheskoy ~~afimii~~ I Moskovskogo meditsinskogo instituta imeni
I.M.Sechenova (for Senov). 5. Zamestitel' direktora po na-
uchnoy chasti Tsentral'nogo aptechnogo nauchno-issledovatel'-
skogo instituta (for Shilov).

KUTUROVA, Ye.N.

All-Union Scientific Pharmaceutical Society. Appl. No. 12
no.3:74-77 My-Je'63 (MIA 17:2)

KUTUMOVA, Ye.N.; ROMANOVA, G.I.

In the Presidium of the Board of the All-Union Scientific
Pharmaceutical Society. Apt. delo 12 no.4:78-79 J1-Ag '63.
(MIRA 17:2)

1. General'nyy sekretar' Vsesoyuznogo nauchnogo farmatsevticheskogo obshchestva (for Kutumova).

KUTUMOVA, Ye.N.

In the Presidium of the Board of the All-Union Scientific
Pharmaceutical Society. Apt. no. 12 Nov. 1961 - 12 Mar. Ap '63.
(MIRA 17:7)

KUTUHARIĆ, Duško, dr.

Cholelithiasis in stratigraphy. Liječn. vjesn. 83 no.5:459-462
'61.

1. Iz Zavoda za radiologiju Opće bolnice "Dra M. Stojanovića" u
Zagrebu.

(CHOLELITHIASIS radiog)

KUTUCHEV, F.Kh.

Cases of foreign bodies in the bronchi. Vest.khir. 73 no.6:41-42
H-D '53. (MLRA 6:12)

1. Iz 2-y fakul'tetskoy khirurgicheskoy kliniki (nachal'nik - professor P.A.Kupriyanov) Voenno-meditsinskoy akademii im. S.M.Kirova.
(Bronchi--Foreign bodies)

KUTUSHEV, F. Kh.

KEVESH, Ye.L.; KUTUSHEV, F.Kh.

Clinical roentgenologic data on gastrointestinal changes following pneumonectomy. Khirurgiia no.8:15-20 Apr '54. (MLRA 7:11)

1. Iz Voenno-meditsinskoy akademii imeni S.M.Kirova.

(LUNGS, surgery,

pneumonectomy, postop. gastrointestinal changes)

(GASTROINTESTINAL SYSTEM, physiology,

eff. of pneumonectomy)

KUTUSHEV, F.Kh, kandidat meditsinskikh nauk. (Leningrad 9, ul. Lebedeva
12, 194173)

Myelomatosis in a 13-year-old girl. Vest.khir.74 no.7:75 O-N
'54. (MLRA 8:10)

1. Iz kafedry detskoy khirurgicheskoy kliniki (zav.-prof.
A.V.Shatskiy) Leningradskogo gosudarstvennogo pediatricheskogo
meditsinskogo instituta.
(MYELOMA, PLASMA CELL,
in adolescent)

SOVIET MEDICAL Sec.9 Vol.11/6 Surgery June 57

KUTUSHEV, F. S.

2982. KUTUSEV F.C. and TOLUZAKOV V.L. Suppurative pulmonary processes caused by prolonged presence of foreign bodies in the air passages KHIRURGIA (Mosk.) 1955, 1 (45-50) Illus. 2 (Russian text)

The incidence of foreign bodies in the oesophagus, the trachea and the bronchi shows a ratio of 36:26:41. Children under 5 yr. of age are involved in 93% of cases. Immediate extraction of the foreign body under bronchoscopic control ensures a cure and has decreased the mortality from 55% to 1%. In many cases, however, the patient is unaware of having aspirated a foreign body so that the diagnosis can remain obscure in cases of chronic pulmonary suppuration and haemoptysis. Bronchoscopy after a considerable interval is negative because intrabronchial vision is obstructed by granulation tissue and secretions and because late removal of the foreign body does not ensure complete healing. In long-standing cases, therefore, cure can only be obtained by lobectomy or pneumonectomy. Seven cases of pulmonary suppuration caused by a foreign body were observed over the period 1950-1953. The duration of the presence of the foreign bodies in the bronchi was 2-6 months in 2 cases, 5-8 yr. in 2, and 14-19 yr. in 3 patients. The nature of the foreign bodies was: nutshells in 2 cases and 1 case each of bone splinter, sunflower seed, glass tubes from toys and a drawing pin. By a complex neuroreflex reaction the foreign body produces extensive chronic pulmonary atelectasis on the basis of which bronchiectasis occurs. These changes are radiologically and bronchographically demonstrable. X-ray visualization, even of low-contrast foreign bodies, sometimes succeeds by overexposed X-rays during deep inspiration. A radical operation was performed in 5 cases (pneumonectomy in 3, lobectomy in 1 and bilobectomy in 1 case). All patients tolerated the operation.

(IX, 15)

LYUBOV, S.L., professor; KUTUSHEV, F.Kh., kandidat meditsinskikh nauk;
SHIRYAYEVA, K.F.

Modern concepts of the diagnosis and treatment of patent ductus
arteriosus. Vest.khir.76 no.8:11-18 S '55 (MLRA 8:11)

1. Iz 2-y fakul'tetskoy khirurgicheskoy kliniki (nach.P.A.Kupri-
yanov) i kliniki detskikh bolezney (nach.prof. M.S.Maslov)
Voyenno-meditsinskoy ordena Lenina akademii im. S.M.Kirova.
(DUCTUS ARTERIOSUS, PATENT
diag. & ther.)

KUTUSHEV, F.Kh., kandidat meditsinskikh nauk

Lobectomy in an infant due to suppurative cyst of the lung.
Vest.khir.76 no.9:104-106 O '55. (MLRA 9:1)

1. In 2-y fakul'tetskoy khirurgicheskoy kliniki (nach.prof.
P.A.Kupriyanov) Voenno-meditsinskoy ordena Lenina akademii
im. S.M.Kirova)

(LUNGS, cysts,

suppurative, surg.,lobectomy in inf.)

(CYSTS, suppurative of lungs, surg.,lobectomy in inf.)

MISHURA, V.I., podpolkovnik meditsinskoy sluzhby; GADZHIYEV, S.A., kandidat meditsinskikh nau, mayor meditsinskoy sluzhby; KUTUSHEV, F.Kh., kandidat meditsinskikh nauk

Some problems in heart surgery. Voen.-med.zhur. no.10:10-16 0 '56.
(HEART--SURGERY) (MIRA 10:3)

KUTUSHMV, F.Kh., kandidat meditsinskikh nauk

Treatment of a bronchial fistula after resection of the lung.

Vest.khir. 77 no.3:84-87 Mr '56.

(MIRA 9:7)

1. Is 2-y fakul'tetskoy khirurgicheskoy kliniki (nach. - prof. P.A. Kupriyanov) Voenno-meditsinskoy ordena Lenina akademii izeni S.M.Kirova.

(LUNGS, surg.

resection, causing bronchial fistula, ther.)

(FISTULA

bronchial, caused by resection of lung, ther.)

(BRONCHI, fistula

caused by resection of lung., ther.)

T

COUNTRY : USSR
 CATEGORY : Human and Animal Physiology, Circulation
 ABST. JOUR. : ENMedl., No. 5 1957, No. 22056
 AUTHOR : Kutushov, F.Kh.; Losev, V.I.
 1-33.
 TITLE : An Analysis of the Electrocardiographic Findings
 Associated with Patent Ductus Arteriosus.
 ORIG. PUB. : Vopr. okhremy materinstva i detstva, 1957, 2,
 No. 2, 56--63
 ABSTRACT : The study included 50 patients aged 1 to 20 and
 older with patent ductus arteriosus. Among 18
 patients the electrical axis of the heart was nor-
 mal; among 19 the axis was deviated toward the
 vertical; among 5 there was horizontal deviation;
 4 had true dextrocardiograms, and 3 had true levo-
 cardiograms. In the majority of cases the PQ
 interval was normal. Among patients with marked
 disturbances in cardiac activity (usually in the
 old age group) a prolongation of electrical sys-
 tole was noted. Widening of the QR^a complex
 occurred in 20 patients. Among part of the patients
 Card: 1/3

COUNTRY : USSR
CATEGORY :

T

ABST. JOUR. : PZhMiol., No. 5 1969, No. 22056

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT

displacement of the ST segment above isoelectric line was noted in leads CR₂ and CR₄, as well as a change in the form and direction of the T wave, although substantial circulatory disturbances were not detected clinically in the majority of the patients. There were changes in the atrial complex among 14 patients. Following surgery, electrical systole quite rapidly returned to normal among the majority of patients in whom it had been prolonged. Clear signs of improvement of myocardial stimulation and recovery were noted

Card:

2/3

T-48

COUNTRY : USSR
CATEGORY :

T

ABL. SOUR. : Ekhsiol., No. 5 1955, No. 22056

AUTHOR :
TYPE :
TITLE :

ORIG. REF. :

SUMMARY : In 10 patients following surgery. The amplitude of the P wave approached normal among many of the patients.--L.I. Aron-Kilinskiy

Cards: 3/3

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EXCERPTA MEDICA Sec 9/Vol 13/5 SURGERY May 59

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2600. CLINICAL FEATURES, DIAGNOSIS AND TREATMENT OF PATENT DUCTUS ARTERIOSUS (Russian text) - Kutushev F. K. Postgrad. Surg. Clin., Milit. Med. Acad., Leningrad - NOV. KHIR. ARKH. 1957, 5 (84-91) Tables 2 illus, 9

- During the period 1953-1956, 60 patients with patent ductus arteriosus were under observation. Fifty patients were operated on, predominantly in the 6- to 15-year age group. ECG in this condition is not specific. Angiocardiography makes the diagnosis more precise only when there are marked signs of secondary filling of the pulmonary artery and vessels with contrast medium following its arrival at the aorta. Introduction of contrast medium directly into the aorta by passing a catheter through the carotid artery was not used owing to the risk associated with the procedure. Manometric determinations and blood gas analysis were carried out with cardiac catheterization in 38 cases. Diagnostic errors occurred in 2 out of 50 operations: defect of the atrial septum was found at operation. All the operations were performed under endotracheal ether anaesthesia with the use of curare-like preparations; controlled hypotonia was used in older children. Hypothermia is not indicated. Two ligatures were applied to the duct and sometimes a third, transfixation ligature, was placed between these. It is essential to exclude a compensatory role of the duct first by its compression for a period of 3 min. Drainage of the pleural cavity was used in isolated cases only. There were 3 fatal outcomes among the patients operated. Continuous observation of the patients operated upon shows a high effectiveness of operative treatment. Yarushevich - Leningrad (S)

KOLMSOV, A.P.; KUTUSHEV, P.Kh.; DAVYDOV, V.P.; YEGOROV, P.I.; ZERNOV, N.P.

Surgical treatment of bronchiectasis in children [with summary in English, p.160]. Vest.khir. no.5:86-94 My '57. (MLRA 10:7)

1. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey (nach. - prof. P.A.Kupriyanov) i kliniki detskikh bolezney (nach. - prof. M.S. Maslov) Voenno-meditsinskoy ordena Lenina akademii im. S.M.Kirova. Adres avtorov: Leningrad, 9, pr. K.Marksa, d.7/8, khirurgicheskaya klinika usovershenstvovaniya vrachey.

(BRONCHIECTASIS, in inf. and child surg.)

KUTUSHEV, F.Kh. (Leningrad, 110, Bol'shaya Zelenina ul., d.22, kv.27)

Suppurative processes in the other lung after pneumonectomy. Vest.
khir. 78 no.5:110-114 My '57. (MLRA 10:7)

1. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey (nach. -
prof. P.A.Kupriyanov) Voenno-meditsinskoy ordena Lenina akademii
im. S.M.Kirova.

(LUNGS DISEASES

suppurative processes in other lung after pneumonectomy)

(PNEUMONECTOMY

suppurative processes in remaining lung)

KOLISOV, A.P., doktor med.nauk (Leningrad, D-187, nab. Fontanki, d.4, kv.388);
KUTUSHEV, F.Kh., kand.med.nauk

Double aortic arch. Vest.khir. 81 no.7:123-130 J1 '58 (MIRA 11:8)

1. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey (nach.-
prof. P.A. Kupriyanov) Voenno-meditsinskoy ordenn Lenina akademii im.
S.M. Kirova.

(AORTA, abnorm.

double aortic arch, surg. (Rus))

KUTUSHEV, F.Kh., kand.med.nauk; LOSEV, V.I.

Cardiac disorders in patent ductus arteriosus. *Pediatrics*
37 no.7:9-13 J1 '59. (MIRA 12:10)

1. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachev
(nachal'nik - deystvitel'nyy chlen AMN SSSR prof.P.A.Kupriyanov)
i kliniki detskikh bolezney (nachal'nik - deystvitel'nyy chlen
AMN SSSR prof.M.S.Maslov) Voenno-meditsinskoy akademii imeni
S.M.Kirova.

(DUCTUS ARTERIOSUS, PATENT, case reports,
cardiac disord. in operated & non-operated
cases (Rus))

KUTUSHEV, F.Kh., kand. med. nauk (Leningrad, P-3, Bol'shoy pr., d.34/36, kv. 6)

Indications and contraindications to surgery in patent ductus arteriosus. Vest. khir. 82 no.5:29-36 May '59. (MIRA 12:7)

1. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey (nach.-prof. P. A. Kurpiyanov) Voenno-meditsinskoy ordena Lenina akademii im. S. M. Kirova.

(DUCTUS ARTERIOSUS--SURGERY)

AVIDON, D.B., kand.med.nauk; BAIROV, G.A., kand.med.nauk; BUTIKOVA, N.I., dotsent, kand.med.nauk; BOYKOV, G.A., kand.med.nauk; VERESHCHAGINA, L.N., kand.med.nauk; GONCHAROVA, M.N., prof., doktor med.nauk; ZHOLOBOV, L.K., vrach; ZEMSKAYA, A.G., kand.med.nauk; KAYSAR'YANTS, G.A., dotsent, kand.med.nauk; KOLESOV, A.P., doktor med.nauk; KONDRAT'YEV, A.P., kand.med.nauk; KORCHANOV, G.I., kand.med.nauk; KUTUSHEV, F.Kh., kand.med.nauk; LEVINA, O.Ya., kand.med.nauk; LYANDRES, Z.A., prof., doktor med.nauk; MOROZOVA, T.I., kand.med.nauk; MIRZOYEVA, I.I., kand.med.nauk; PANUSHKIN, V.S., kand.med.nauk; RASTORGUYEV, A.V., vrach; RUDAKOVA, T.A., kand.med.nauk; SAVITSKAYA, Ye.V., kand.med.nauk; SVISTUNOV, N.I., vrach; CHISTOVICH, G.V., kand.med.nauk; YAKOVLEVA, T.S., vrach; MARGORIN, Yevgeniy Mikhaylovich, prof., red.; DOLETSKIY, S.Ya., red.; VERESHCHAGINA, L.N., red.; RUBLEVA, M.S., tekhn.red.

[Operative surgery on children] Operativnaya khirurgiya detskogo vozrasta. Leningrad, Gos.izd-vo med.lit-ry Medgiz, Leningr.otd-nie, 1960. 475 p. (MIRA 13:12)

(CHILDREN--SURGERY)

KOLESOV, A.P.; KUTUSHEV, F.Kh.; CHURKHOVINA, M.G.

Intrathoracic cysts in children. Vest. khir. 85 no. 8:42-51 Ag '60.
(MIRA 14:1)

(CHEST --TUMORS) (CYSTS)

KUTUSHEV, F.Kh., doktor med.nauk

Surgical treatment of congenital lobar emphysema of the lung.
Vest.khir. no.5:64-67 '61. (MIRA 15:1)

1. Iz 1-y khirurgicheskoy kliniki usovershenstvovaniya vrachey
(nach. - prof. P.A. Kupriyanov) Voenno-meditsinskoy ordena
Lenina akademii im. S.M. Kirova.
(EMPHYSEMA, PULMONARY) (LUNGS--SURGERY)

KUPRIYANOV, P.A.; KOLESOV, A.P., prof.; KUTUSHEV, F.Kh., doktor med.nauk;
BURMISTROV, M.I., kand.med.nauk; MISHURIN, V.I., kand.med.nauk

Surgical treatment of congenital heart defects. Vop. okh. nauch. i det. 6 no.12:11-17 D '61. (MIRA 15:3)

1. Iz kliniki khirurgii dlya usovershenstvovaniya vrachev
(nachal'nik - prof. P.A. Kupriyanov) Voenno-meditsinskoy
ordena Lenina akademii imeni S.M. Kirova. 2. Deystvitel'nyy
chlen AMN SSSR (for Kupriyanov).
(HEART--SURGERY)

KUTUSHEV, Fettyakh Khalimovich; KUPRIYANOV, P.A., prof., red.;
GRIGOROVICH, K.A., red.; SAFRONOVA, I.M., tekhn. red.;
KHAKHASH, G.A., tekhn. red.

[Diagnosis and treatment of patent ductus arteriosus] Diagnostika i lechenie otkrytogo arterial'nogo protoka. Pod red. P.A.Kupriyanova. Leningrad, Medgiz, 1962. 202 p.

(MIRA 15:3)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR i rukovoditel' khirurgicheskoy kliniki dlya usovershenstvovaniya vrachey Voenno-meditsinskoy ordona Lenina akademii im. S.M. Kirova (for Kupriyanov).

(DUCTUS ARTERIOSUS--ABNORMALITIES AND DEFORMITIES)

DOMBROVSKAYA, Yu.F., prof.; ZHUKOVSKIY, M.A., starshiy nauchn. sotr.;
KUTUSHEV, F.Kh., doktor med. nauk; LEBEDEV, D.D., prof.;
MASLOV, M.S., prof. [deceased]; MISHURA, V.I., kand. med. nauk;
OSINOVSKIY, N.I., prof.; SHAMSIYEV, S.Sh., prof.; ROGOV, A.A.,
red.; CHUYEVA, L.F., red.; BUL'DYAYEV, N.A., tekhn. red.
[Multivolume manual on pediatrics] Mnogotomnoe rukovodstvo po
pediatrii. Moskva, Medgiz. Vol. 3. 1962. 586 p. (MIRA 15:9)

1. Deyatvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for
Dombrovskaya, Maslov).

(PEDIATRICS)

KUTUSHEV, F.Kh. (Leningrad, K-156, prosp. Engel'sa, d.28, kv.150); SHANIN, Yu.N.;
ZORIN, A.B.

Removal of foreign bodies from the respiratory tract. Grud.khir.
no.4:104-106 J1-Ag '62. (MIRA 15:10)
(RESPIRATORY ORGANS—FOREIGN BODIES)

KUPRIYANOV, P.A.; KUTUSHEV, F.Kh.; ZORIN, A.D.

Surgical treatment of the tetralogy of Fallot. *Pediatrics* 41
no.5:56-57 My '62. (MIRA 15:5)

1. Khirurgicheskaya klinika dlya usovershenstvovaniya vrachey
No.1 Voenno-meditsinskoy akademii imeni S.M. Kirova (nachal'-
nik - prof. P.A. Kupriyanov).
(TETRALOGY OF FALLOT)

KUPRIYANOV, P.A.; KOLESOV, A.P.; KUTUSHEV, F.Kh; IZBITSKIY, A.L.;
RUKHIMOVICH, G.S.

Diagnosis and therapy of paravasal forms of lung cancer. Vop.
onk. 9 no.2:6-11'63. (MIRA 16:9)

1. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey
no.1 (nachal'nik - deystvitel'nyy chlen AMN SSSR prof. P.A.
Kupriyanov) Voenno-meditsinskoy ordena Lenina Akademii ime-
ni Kirova.

(LUNGS—CANCER)

KOLESOV, A.P., prof. (Leningrad, Lesnoy pr., d.4, kv.78); KUTUSHEV, F. Kh.,
doktor med.nauk

Some difficulties in the diagnosis and treatment of patent
ductus arteriosus. Vest.khir. 90 no.2:36-40 P'63. (MIRA 16:7)

1. Iz 1-y khirurgicheskoy kliniki usovershenstvovaniya vrachey
(nachal'nik - prof. P.A.Kupriyanov) Voenno-meditsinskoy or-
dena Lenina akademii imeni Kirova.
(DUCTUS ARTERIOSUS) (HEART--SURGERY)

KUPRIYANOV, P.A. (Leningrad, D-123, ul. Byleyeva, d.15.kv.6); KOLESOV, A.P.;
KUTUSHEV, F. Kh.; BALLYUZEK, F.V.; SKORIK, V.I.; BURMISTROV, M.I.;
LIBOV, A.S.; ZORIN, A.B.

Practice in using artificial blood circulation in surgery on
the open heart. Grud.khir. 5 no.1:8-18 Ja-F'63. (MIRA 16:7)

1. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey no.1
(nachal'nik - deyствitel'nyy chlen AMN SSSR prof. P.A. Kupriyanov)
Voyenno-meditsinskoy ordena Leninskoy akademii imeni S.M.Kirova.
(HEART—SURGERY) (BLOOD—CIRCULATION, ARTIFICIAL)

KUTUSHEV, F.Kh., doktor med. nauk, referent; MIKHAYLOVICH, V.A., referent;
KABAKOV, B.D., doktor med. nauk, referent

Minutes of Surgical Societies. Vest. khir. 91 no.7:147-159
Jl'63 (MIRA 16:12)

KOLESOV, A.P. (Leningrad, K-9, Lesnoy pr., d. 4., kv.78); KUTUSHEV, F.Kh.

Surgical treatment of congenital heart defects combined with
bronchiectasis. Gradn. khir. 5 no.3:9-12 My-Je '63 (MIRA 17:1)

1. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey
No.1 Voenno-meditsinskoy ordena Lenina akademii imeni S.M.
Kirova (nachal'nik - deystvitel'nyy chlen AKA SSSR prof. P.A.
Kupriyanov [deceased]).

KUTUSHEV, F.Kh., doktor med. nauk, referent.

Minutes of Meetings Nos. 1312, 1313 and 1314 of the Piragor
Surgical Society. Vest. khfr. 91 no.8:144-150 Ag'63
(MIRA 1/13)

KUTUCHOV, P.K., doktor med. nauk, referent

Minutes of the Pirogov Surgical Society meeting No.1315.
Vestn. khir. 91 no.9:137-141 1963. (MIRA 17:17)

KUTUSHEV, F. Kh, (Leningrad, K-156, pr. Engel'sna, d.28, kv.150); KOLESOV, Ye.V.; UVAROV, B.S.; ZORIN, A.B.; SILIN, V.A.

Angiocardiography in cardioplegia and control of the cardiac rhythm. Vest. khir. 91 no.8:17-26 Ag'63 (MIRA 17:3)

1. Iz 1-y khirurgicheskoy kliniki usovershenstvovaniya vrachey i kafedry anesteziologii (nachal'nik - prof. P.A. Kupriyanov [deceased]) Voenno-meditsinskoy ordona Lenina akademii imeni Kirova.

KUTUSHEV, F.Kh., doktor med. nauk, referent

Minutes of meetings Nos. 1316, 1317 and 13.8 of the Pirogov
Surgical Society. Vest. Khir. 91 no.10:141-156 0 '63.
(MIRA 17:7)

KUTUSHEV, F.Kh., referent, doktor med. nauk

Minutes of the Pirogov Surgical Society for meetings Nos. 1319
and 1320. Vest. Khir. 91 no.12:107-113 D '65. (MIRA 17:9)

KUTISHEV, s.kn. (Leningrad K-150, prospekt Karamell'ov, 1-23, kv.15),
Zukhin, A.B.

Analysis of phonocardiographic data in patent ductus arteriosus.
Grod. khir. 6 no.2:67-71 Mr-Ap 61. (NIRA 18:4)

1. Khirurgicheskaya klinika dlya sovershenstvovaniya vrachey No.1
(nachal'nik - deyatvitel'nyy chlen AKA SSSR prof. I.A.Kupriyanov
[deceased]) Voenno-meditsinskoy orlena Lenina akademii imeni Kirova,
Leningrad.

KUTUSHEV, F.Kh., doktor med. nauk, referent

Minutes of the Pirogov Surgical Society for Meetings Nos. 1321 and
1322. Vest. khir. 92 no.1:144-150 Ja '64. (MIRA 17:11)

KUTUSHEV, F.Kh., doktor med. nauk, referent

Minutes of the Pirogov Surgical Society, Nos. 1323 and 1324. Vest.
khir. 92 no.3:154-157 Mr '64. (MIRA 17:12)

KUTUCHEV, N. A., doktor med. nauk

Minutes of the Pirogov Surgical Society for meetings Nos. 1325
and 1326. Vest. khir. 92 no. 5:147-158. 1964.

(MIRA 18:1)

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KUTUSHEV, F.Kh., doktor med. nauk, referent; LYTKIN, M.I., prof., referent

Proceedings of the Pirogov Surgical Society. Vest. khir. 93 no.8;
145-155 Ag '64. (MIRA 18:7)

YOLKOV, A.S., SHCHERBA, S.M., KALININ, V.I., KALININ, M.I.,
KALININ, I.I.

Operability and the immediate outcome of surgical treatment
of lung cancer. Top. onk. II no. 11:28-29, 1965.

(1965)

1. A. Shchur, V. Shchur, V. Shchur, V. Shchur, V. Shchur, V. Shchur,
Vladimir K. (Institute of Oncology, Leningrad) V. Shchur, V. Shchur,
Vladimir K. (Institute of Oncology, Leningrad) V. Shchur, V. Shchur,

BENYAKOVSKIY, M.A.; KULIKOV, V.I.; SHADRIN, V.A.; KOLPAKOV, I.P.; KUTUYEV,
Ya.S.; KUSTOBAYEV, G.G.; KOCHNEV, M.P.; YESIPOV, I.V.; PETROV, B.I.

Power consumption for the deformation of metal and conditions of
strip rollings. Stal' 17 no.1:59-63 Ja '57. (MLRA 10:3)

1. Ural'skiy institut chernykh metallov i Magnitogorskiy metallur-
gicheskiy kombinat.

(Rolling (Metalwork))

CHERNOGOROV, P.V.; BOBROV, A.V.; P-rimali uchastnye: BABARYKIN, N.V.;
MONOYEIKO, I.P.; MOREV, I.S.; LUTUYEVA, P.S.; OKUL'SKIY, M.K.;
GAL'PERIN, I.B.; VASINA, Z.M.; BERNSHTEYN, S.I.; BALINSKIY, V.R.

Effect of foundry iron prepared by a non-blast-furnace method on
the quality of foundings. Lit.proizv. no.7:9-12 Je '60.
(MIRA 13:7)

(Cast iron--Metallurgy)

(Foundries--Quality control)

KUTUYEVA, Z.M.; SIGAL, I.Z. (Kazan')

Second conferece of phthisiologists of the Tatar A.S.S.R. Kaz.med.
zhur. 40 no.4:104-106 Jl-Ag '59. (MIRA 13:2)
(TATAR A.S.S.R.--TUBERCULOSIS)

VETUKHNOVSKAYA, Yu.N.; KUZ'MIN, A.D.; KUTUZA, B.G.; LOSOVSKIY, B.Ya.;
SALOMONOVICH, A.Ye.

Measuring the radio emission spectrum of the night side of Venus
in the microwave band. Izv. vys. ucheb. zav.; radiofiz. 6 no.5:
1054-1056 '63. (MIRA 16:12)

1. Fizicheskiy institut imeni Lebedeva AN SSSR.

L 8806-65 ENT(1)/ENN(V)/EEC(t) Re-5/Pac-2 RAEM(a)/RAEM(t) UN

ACCESSION NR: AP4043956

3/0033/64/041/004/0707/0710

AUTHOR: Gasharinov, A. Ye.; Vetukimovskaya, Yu. N.; Kuz'min, A. D.; Kutyza, R. Q.; Salomonovich, A. Ye

TITLE: Measurements of the brightness temperature on the illuminated side of Venus on the 8-mm wavelength

SOURCE: *Astronomicheskii zhurnal*, v. 41, no. 4, 1964, 707-710

TOPIC TAGS: brightness temperature, 8mm wavelength, radio emission, zenithal distance, signal attenuation, terrestrial atmosphere, illumination phase interior conjunction, opposite rotation

ABSTRACT: The brightness temperature of the illuminated side of Venus was measured on the 8-mm wavelength from November 1962 to October 1963. The brightness temperature of Jupiter was measured at the same time. The Venusian brightness temperature was computed by accepting the mean Jovian brightness temperature to be 140K. The Venusian brightness temperature computed from observation data obtained on 10-11 May, 22-26 July, and 2-3 October 1963, using the Jovian brightness temperature mentioned above, was $435 \pm 65K$ and $440 \pm 70K$. Readings of radio emission from Venus and Jupiter were corrected for changes of noise, for

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L 8806-65

ACCESSION NR: AP4043956

zenithal distances of the planets, and for attenuation of signals in the terrestrial atmosphere. Observation data show an increase of Venusian brightness temperature with the increase of the illuminated disk. This increase, as was previously found out, confirms the dependance of the brightness temperature upon the illumination phase. The center of the minimum brightness temperature after the inferior conjunction indicates that the rotation of Venus is the opposite of that of the Earth and Mars. Orig. art. has: 2 figures and 4 formulas.

ASSOCIATION: none

SUBMITTED: 00

AND PRESS: 3106

ENCL: 00

SUB CODE: AA

NO REF SOV: 004

OTHAZ: 003

Card 2/2

L 7795-66 EWT(1) GW
ACC NR: AP5027615

SOURCE CODE: UR/0109/65/010/011/1941/1948

AUTHOR: Ananov, N. I.; Basharinov, A. Ye.; Kirdyashev, K. P.; Kutuza, B. G.

ORG: none

TITLE: Fluctuations of radiation from a cloudy atmosphere in the millimeter band

SOURCE: Radiotekhnika i elektronika, v. 10, no. 11, 1965, 1941-1948

TOPIC TAGS: atmospheric radiation; millimeter band radiation, radio telescope

ABSTRACT: In the case of a cloudy atmosphere, the turbulent pulsations of cosmic r-f radiation are compounded by single peaks which are due to the variations of the integral absorption caused by wind-drifted clouds in the field of vision of a radio telescope. Statistical evaluation of both the turbulent pulsations (clear sky) and the peaks (cloudy sky) in terms of radio-brightness temperature is offered. An experimental verification was carried out (in 1963) by means of modulation radiometers on 2-meter radio telescopes operating at 4- and 8-mm

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UDC: 551.594.6

L 7795-66

ACC NR: AP5027615

wavelengths and on a 22-meter radio telescope working at 8-mm wavelength. Over 150 experiments covered both overcast and broken-cloud conditions and various types of clouds. The mean effective value of the cloud-radiation variation was 6.75K, with a mean square spread of 4.25K; the most probable value of variations lay within 5-5.5K. The curves of distribution of the mean intensity of variations and of the correlation function of variations are shown. Orig. art. has: 5 figures and 16 formulas.

SUB CODE: 03, 17 / SUBM DATE: 20Jul64 / ORIG REF: 009 / OTH REF: 002

nw

Card 2/2

L 57062-65 FBD/EWT(1)/EWG(v)/EEC-4/EEG(t) Fe-5/Pi-4/Pac-2 WS-4/GM

ACCESSION NR: AP5015580

UR/0030/65/042/003/0527/0530
523.164.42

AUTHOR: Barret, A. Kh.; Kutuza, B. G.; Matveyenko, L. I.; Salomonovich, A. Ye.

TITLE: Observations of radio emission sources at the 3.3- and 0.8-cm wavelengths

SOURCE: Astronomicheskii zhurnal, v. 42, no. 3, 1965, 527-530

TOPIC TAGS: radio emission source, Taurus A, source 3C 84, source 3C 273, source 3C 279, radio emission

ABSTRACT: Results of observations carried out with the 22-m radio telescope of the Physics Institute imeni P. N. Lebedev AN SSSR are discussed. The observations were made to explain the presence of a second radio-emission source in the Taurus constellation, to investigate the brightness distribution of Taurus-A source at the 8-mm wavelength, and to measure the fluxes of sources 3C 84, 3C 273 and 3C 279 at the 3.3-cm and 8-mm wavelengths. With the exception of observations dealing with the brightness distribution of Taurus-A, the observations consisted in recording the curves of the transit of sources through the radiation pattern of a stationary radio-telescope antenna at time constants of 5° and 4° for the 3.3-cm and 8-mm wavelengths respectively. The time constants were determined by the widths of the radiation

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L 57062-65

ACCESSION NR: AP5015580

2

patterns which were 5.9' and 2'. The fluxes were calculated under the assumption of the Gaussian distribution of brightness temperature and of the Gaussian shape of the antenna pattern. The results of these calculations are shown in Table 1 of the Enclosure. The flux at the 8-mm wavelength of the source located about 36° to the east of Taurus-A proved to be not more than 15% of the Taurus-A flux. The results of the measurements of 3C 84, 3C 273, and 3C 279 confirm their reported anomalously high fluxes at centimeter wavelengths. The estimates of the upper limits of the fluxes at 8-mm agree with this conclusion. The results of measurements of the dimensions of Taurus-A at 8-mm can be approximated by an ellipse with axes $4.2' \pm 0.2'$ and $2.9' \pm 0.2'$ with the major axis at a position angle of 140° . Orig. art. has: 2 figures and 1 table. [EW]

ASSOCIATION: ~~Issledovatel'skaya laboratoriya elektroniki~~ Massachusettskogo tekhnologicheskogo instituta Kembridzh, Massachusetts, SSHA (Electronics Research Laboratory, Massachusetts Institute of Technology, Cambridge, Massachusetts, SSHA), Fizicheskii institut im. P. N. Lebedeva Akademii nauk SSSR (Physics Institute Academy of Sciences SSSR), Institut radiotekhniki i elektroniki Akademii nauk SSSR (Institute of Radio Engineering and Electronics, Academy of Sciences SSSR)

SUBMITTED: 04Jan65
NO REF SOV: 004
Card 2/3

ENCL: 01
OTHER: 005

SUB CODE: EC
AND PRESS:

L 57062-65

ACCESSION NR: AP5015580

ENCLOSURE: 01

0

Table 1.

sources	Flux x 10 ²⁶ m ⁻² s ⁻¹		angular size	no. of photons	
	1-3.3	1-8 μ m	1-3.3 μ m	3.3 μ m	8 μ m
3C84	22 \pm 2	<90	<20"	28	8
3C273	26 \pm 2	<50	—	15	15
3C279	14 \pm 1.5	—	<20"	13	—
Taurus-A	[500]	600 \pm 60	—	—	52

dm
Card 3/3

L 53994-65 FBD/EWT(1)/EWG(v)/EEC-4/EEC(t) Po-5/Pac-2/Pi-4 GW/MS-4

ACCESSION NR: AP5012759

UR/0020/65/161/006/1301/1302

AUTHOR: Kutuza, B. G.; Losovskiy, B. Ya.; Salomonovich, A. Ye.

TITLE: Saturn radio emission at the 8-mm wavelength

SOURCE: AN SSSR. Doklady, v. 161, no. 6, 1965, 1301-1302

TOPIC TAGS: Saturn radio emission, radio emission measurement, Jupiter radio emission

ABSTRACT: In July and August 1964, measurements of the brightness temperature of Saturn at 8 mm were carried out with the 22-m radiotelescope of FIAN, equipped with a standard modulation radiometer for the 8-mm wavelength. To eliminate errors in determining the antenna parameters, Jupiter radio emission was recorded at the same time. The brightness temperature of Jupiter with respect to the optically visible disk was assumed to be 144K. Recordings of the azimuth transit of both planets were made in conjunction with visual tracking along the zenith path. In averaging the series of records, fading in the Earth's atmosphere and the reduction of the output signal due to the effect of the radiometer time constant were taken into consideration. The antenna temperature and ~~amplification~~ stability control

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L 53994-65
ACCESSION NR: AP5012759

2
were calibrated with a gas-discharge noise generator. In all, 36 recordings of Saturn passage were processed. The arithmetic mean value of brightness temperature of the Saturn disk (without the ring) on the basis of 24 recordings of 22 July 1964 was 129K; on the basis of 12 recordings of 21 August 1964, the value was 144K. The weighted mean value at 8 mm was 132.9K, which is consistent with temperatures that have been previously reported at 3 cm, 10 cm, and infrared wavelengths; thus there is some evidence pointing to a radiation belt about Saturn, although not as pronounced as that of Jupiter. Orig. art. has: 2 figures. [KM]

ASSOCIATION: Fizicheskii institut im. P. N. Lebedeva Akademii nauk SSSR (Physics Institute, Academy of Sciences SSSR); Institut radiotekhniki i elektroniki Akademii nauk SSSR (Institute of Radio Engineering and Electronics, Academy of Sciences SSSR)

SUBMITTED: 23Nov64	ENCL: 00	SUB CODE: EC, AA
NO REF SOV: 002	OTHER: 008	ATD PRESS: 4021

Card 2/2

L 24307-66 FBD/ENT(1) GW/MS-2

ACC NR: AR6005261 SOURCE CODE: UR/0058/65/000/009/H043/H048

AUTHORS: Kutuza, B. G.; Losovskiy, B. Ya.; Salomonovich, A. Ye.

TITLE: Measurement of the radio emission from Mercury at 8 mm wavelength 53 12

SOURCE: Ref. zh. Fizika, Abs. 9Zh336

REF. SOURCE: Astron. tsirkulyar, no. 327, 28 apr., 1965, 5-7

TOPIC TAGS: Mercury planet, radio astronomy, radio emission, millimeter wave propagation, electronic measurement, radio telescope

TRANSLATION: The authors present the results of measurements of the radio emission from Mercury at 8 mm wavelength, made in 1964 with the aid of a 22-meter radiotelescope. The results point to the presence of a connection between the brightness temperature averaged over the disc and the phase angle. Assuming that the distribution over the surface is given by $T_b = T_0 \cos^n \theta$ on the illuminated surface and by $T_b = 0$ on the non-illuminated surface of the planet, the

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L 24307-66

ACC NR: AR6005261

brightness temperature in the subsolar point $T_0 = 660 \pm 120K$ for $n = 1/4$ and $T_0 = 540 \pm 85K$ for $n = 0$. Within the limits of errors, this agrees with the results of calculations and measurements in the infrared band. S. Makarova.

SUB CODE: 03, 17

Card

2/2 FV

L 26426-66 EMT(1) GW

ACC NR: AP6006778

SOURCE CODE: UR/0033/66/043/001/0149/0153

AUTHORS: Dasharinov, A. Ye.; Kutuza, B. G.

ORG: Institute of Radio Technology and Electronics, Academy of Sciences SSSR
(In-t radiotekhniki i elektroniki Akademii nauk SSSR)

TITLE: On the nature of the Venusian cloud layer (Reported at the symposium on
Radio Astronomical Methods for Investigating Atmospheres and Surfaces of Planets,
held in Puerto Rico 25/V 1965)

SOURCE: Astronomicheskiy zhurnal, v. 43, no. 1, 1966, 149-153

TOPIC TAGS: radio astronomy, radio emission, water vapor, Venus planet, absorption band

ABSTRACT: The hypothesis on the presence of supercooled water droplets in the Venusian cloud layer was investigated. On the basis of the phase rate radio brightness temperature data, an extrapolation was made on the 8-mm integrated absorption to microwave regions, using the extrapolation expression

$$\tau(\lambda) = \tau(\lambda_0) \frac{C(\lambda) \lambda_0}{C(\lambda_0) \lambda}$$

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UDC: 523.4

2

L 20426-66

ACC NR: AP6006778

and assuming that the absorption is caused by water droplets. The results obtained were then compared with radiometric absorption measurements in terrestrial clouds at wavelengths of 0.4, 0.8, 1.6, and 3.2 cm, and with the measured values of radio brightness temperatures on the night side of the planet Venus. The good agreement between theory and the experimental results is accepted as a verification of the water droplet hypothesis. The water content in the cloud layer is estimated at 0.1 to 0.3 g/cm². Orig. art. has: 10 formulas, 2 figures, and 2 tables.

[04]

SUB CODE: 03/ SUBM DATE: 01Apr65/ ORIG REF: 004/ OTH REF: 007/ ATD PRESS:
4222

Card 2/2 *VR*

L 04308-67 EWT(1) GN/WS-2

ACC NR: AR6013393

SOURCE CODE: UR/0269/65/000/011/0040/0040

AUTHORS: Kutuza, B. G.; Losovskiy, B. Ya.; Salomonovich, A. Ye.

TITLE: Measurement of the radio emission of Mercury at 8 mm

SOURCE: Ref. zh. Astronomiya, Abs. 11.51.371

REF SOURCE: Astron. tsirkulyar, no. 327, apr. 28, 1965, 5-7

TOPIC TAGS: radio emission, Mercury planet, temperature measurement, cosmic radio source

ABSTRACT: A short review of results is presented for measurements of the radio emission of Mercury in the meter and centimeter ranges where the luminance temperature is a function of the phase angle. The method of observing the emission of Mercury at 8 mm, used at the radio observatory FIAN with RT-22 during 1964, is described. The results of analyzing the measurements indicate a dependence of the luminance temperature averaged over the disk on the phase angle. The luminance temperature T_0 at the subsolar point is $660 \pm 120^\circ\text{K}$ ($n = 1/4$) or $540 \pm 85^\circ\text{K}$ ($n = 0$) under the assumption that its distribution over the surface satisfies the law $T_1 = T_0 \cos^2 \theta$ on the illuminated side and $T_1 = 0$ on the dark side of the planet. This result agrees within experimental error with the calculations and measurement data in the IR range. Further measurements should be made in the mm range. S. Makarova [Translation of abstract]

SUB CODE: 03
Card 1/1 *pl*

UDC: 523.164:523.41

KUTUZA, B.G.; LOSOVSKIY, B. Ya.; SALOMONOVICH, A. Ye.

Observations of radio emissions of Mars on the 8 mm. wavelength.
Astron. zhur. 43 no. 1:236-237 Ja-P '66 (MIRA 19:2)

1. Fizicheskiy institut imeni Lobodeva AN SSSR i Institut
radiotekhniki i elektroniki AN SSSR. Submitted July 27,
1965.

KUTUZA, G.N.

Semiautomatic electric-spark five-spindle machine for grinding
and lapping sprayer cones. Mashinostroenie no.2:106 Mr-Ap
'62. (MIRA 15:4)

(Electric cutting machinery)

KUTUZA, G.N.

New method for the manufacture of piston rings for steam hammers.
Mashinostroenie no.2:106-107 Mr.-op '66. (MIRA 15:4)
(Milling machines--Attachments)

KUTUZKINA, Ye. F.
KUTUZKINA, Ye. F.

Tertiary flora of southwestern Tien Shan. Bot. zhur. 39 no.2:195-201
Mr-Apr '54. (MLA 7:6)
(Tien Shan--Paleobotany) (Paleobotany--Tien Shan)

KUTUZKINA, Ye.F.

Plane tree from Earmatian deposits of the Northern Caucasus. Bot.
zhur. 43 no.1:81-85 Ja '58. (MIRA 11:2)

1. Botanicheskiy institut im. V.L. Komarova AN SSSR, Leningrad.
(Caucasus, Northern--Plane tree)
(Trees, Fossil)

3(5)

SOV/20-128-2-39/59

AUTHOR: Kutuzkina, Ye. F.

TITLE: Some Data on the Sarmatian Flora of Armavir

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 128, Nr 2, pp 362-365 (USSR)

ABSTRACT: A survey of publications on the findings of fossil plants of the Armavir region since 1924 is given here (A. V. Danov and V. P. Kolesnikova, Ref 2) (I. V. Palibin, Ref 8, determinations of P. A. Mchedlishvili). The age of the flora was ascribed to the lower part of the upper Sarmatian on the strength of faunistic data presented by I. S. Volkova (Ref 1). In 1954 and 1958 the author made several journeys for the purpose of collecting additional material. The embedding of the plants probably proceeded in the coastal region of a shallow gulf of Kuban' of the Sarmatian sea (Ref 4) which penetrated into the Caucasian mainland. The rivers which carry with them arenaceous-clayey material containing plant remains discharge here. The opencast pits of the second brickworks from which most of the material is carried away, lie on the right high Kuban' bank opposite the town of Armavir. There are 6 horizons of a total

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thickness of approximately 10 cm. Determinations were carried out by I. V. Palibin, P. G. Mil'chenko, and I. A. Shilkina. Totally 63 species of fossil plants were determined (Table 1), among these 3 new species: *Scirpus angustifolia* Kutuzk.sp.n., *Celastrus palibinii* Kutuzk.sp.n., and *Loranthus praeuropaeus* Kutuzk.sp.n. Dicotyledons form the major part of the Armavir flora. The monocotyledons are much more rare and are represented mainly by reed and less frequently by *Typha*. Remains of ferns, *Ginkgoaceae*, and conifers were found only rarely. 6 species of dicotyledons occurred in great abundance, they grew apparently near the building places. The species of *Juglandaceae*, *Platanaceae*, *Salicaceae*, *Fagaceae*, and *Salicaceae* were the most numerous ones among the 29 families represented in the Armavir flora. Their recent analogs or closely related species grow in the Caucasus and mainly in Transcaucasia. Part of them is distributed in the Mediterranean region, in Central and South Europe, some of them, however, in China, Japan, and North America. The plant complexes of individual horizons differ little in their systematic composition, they differ mainly in the quantity conditions of individual species. Before the Armavir flora was embedded, the

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plant material had been transported from afar. Consequently, the individual vegetation complexes of Armavir do not correspond to the individual associations, but combine elements of different plant formations. They belong to natural-polytopic complexes according to I. A. Il'inskaya (Ref 2). Plants of different vertical belts occur in the lower 5th flora-bearing horizon. On the one hand, the Armavir flora is similar to the Sarmatian flora of the Caucasus, on the other hand to the related flora of the southwest region of the European part of the USSR. This is indicative of the prevalence of a cooler climate and apparently a considerable drought in the Upper Sarmatian, accompanied by the recess of the Sarmatian waters in consequence of orogenic movements. There are 1 table and 9 Soviet references.

ASSOCIATION: Botanicheskiy institut im. V. A. Komarova Akademii nauk SSSR
(Botanical Institute imeni V. A. Komarov of the Academy of Sciences, USSR)

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